

# ABSTRACT

Evaluation of Impurity in Pharmaceutical Preparation  
(Determination of Imidazol Content with HPLC)

Thesis

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A suitable method for determination of imidazol content and eventually simultaneous determination of benzylalcohol and imidazol contents in vaginal cream using High Performance Liquid Chromatography was searched. The best results were reached on chromatography column LiChrospher RP 18,5  $\mu\text{m}$ , 125 mm x 4,6 mm with mobil phase methanol: buffer with Sodium hexansulphonate 30 : 70; pH 7 and flow 1,0 ml/min. UV detektor for the determination with the setting wave length 223 nm was used. The total time of the analysis was shorter than 20 minutes. Substances were eluated in the following order: imidazol, benzylalcohol, clotrimazol.